

PATENT ABSTRACTS OF JAPAN

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(54) MANUFACTURE OF DEHYDRATED GAMMA-MANGANESE DIOXIDE

(57)Abstract:

PURPOSE: To easily obtain dehydrated γ -MnO₂ useful as a depolarizer for a dry cell by dielectrically heating γ -MnO₂ contg. bound water under conditions enough to allow the water to be lost without practically converting the γ -MnO₂ into β -MnO₂.

CONSTITUTION: Natural or chemically produced γ -MnO₂ contg. bound water is dielectrically heated with an electronic oven or the like under conditions of temp. and time enough to allow the water to be lost without practically converting the γ -MnO₂ into β -MnO₂ to obtain dehydrated γ -MnO₂ having surface dehydrated microporous which remarkably accelerate discharge reaction and increased activity for use in a cell. The enough conditions can be confirmed experimentally beforehand in accordance with the starting material used.

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